GUARANTEE AND CONTACT DETAILS

GUARANTEE

Terms and Conditions for UK (outside UK contact your local distributor)

We, Applied Energy Products Limited, guarantee this product **for domestic use only,** for the period of 24 months from the date of purchase.

Within the guarantee period we will resolve, **free of charge,** any manufacturing defects in the product resulting from faulty workmanship or material on condition that:-

a) The appliance has been correctly installed in accordance with our instructions and is being used on the supply circuit or voltage printed on the rating plate.

b) The appliance has been used in accordance with these instructions and has not been tampered with or otherwise subject to misuse, neglect or accident.

c) The appliance has not been taken apart, modified or repaired except by a person authorised by us.

d) Evidence of the date of purchase in the form of an invoice or receipt will be required in order to qualify for an in-guarantee repair.

e) The guarantee period for the products used in commercial applications will be limited to 12 months.

f) For the service work to be undertaken free of charge, the work must be only undertaken by Applied Energy Products Limited, or our approved agents.

g) Service under guarantee has no effect on the expiry date. The guarantee on any exchanged parts or product ends when the original guarantee period ends.

EXCLUSIONS

This guarantee **DOES NOT** cover damage or defects arising from poor or incorrect installation, improper use or lack of maintenance, including build-up of limescale. It is the responsibilty of the installer to check that the installation parameters meet the requirements of the product, and any relevant regulations.

If we are called out to a fault, which is subsequently identified as being an installation fault, we will make a charge. It is important that the routine checks are completed before calling us out, as many issues can be simply diagnosed and resolved.

We make no guarantees as to response times for repairs. We will endeavour to achieve the most timely response possible but while we indicate an average response time, this should not be taken as a guarantee.

The guarantee applies to a repair or replacement (at our discretion) of the product subject to the conditions above, and **DOES NOT** cover compensation for the loss of the product or consequential loss of any kind.

The guarantee does not apply to the repair or replacement of pressure relief devices, sprayheads, hoses, accessories, isolating switches, electrical cable, fuses and/or circuit breakers.

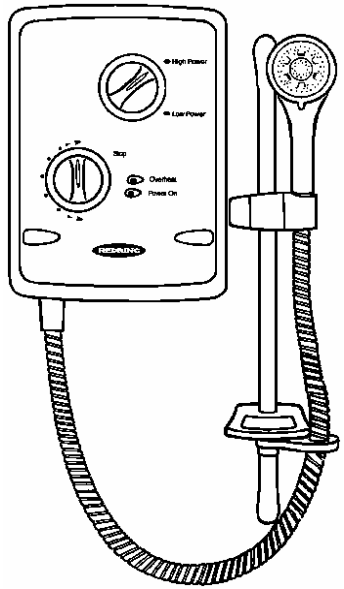
This guarantee does not affect your statutory rights.

APPLIED ENERGY PRODUCTS LIMITED, MORLEY WAY, PETERBOROUGH PE2 9JJ
TEL: +44 (0) 844 372 7761 / FAX: +44 (0) 844 372 7762
WEBSITE: www.redring.co.uk

We offer a technical advisory service on the telephone:
Ring: 0844 373 7766 (UK Only) / Ring: +385 1 842 8222 (ROI Only)

(A4) Leaflet No. 559-2334-04b

REDRING



REDRING EXPRESSIONS 570
Pumped Electric Shower
(Covers both White and Chrome models)

Installation and User Guide

IMPORTANT:
This booklet should be left with the user after installation and demonstration

WARNING:
Under no circumstances should this unit be connected to the mains cold water supply

Thank you for purchasing a quality *Redring Expressions 570 Shower* manufactured in England.

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To enjoy your new shower at its best, please take time to read this manual thoroughly to familiarise yourself with all instructions, BEFORE beginning installation.

If you experience any difficulty with the installation or operation of your new shower, then please refer to the "What to do if things go wrong" section in this manual before contacting us.

IMPORTANT SAFETY INFORMATION

1. Your shower has been designed for convenience, economy and safety of use, provided that it is installed, used and maintained in good working order and in accordance with our instructions and recommendations.
2. **All wiring and installation must be supervised by a suitably qualified person.**
3. **THIS APPLIANCE MUST BE EARTHED.**
4. The *Redring Expressions 570* pumped electric shower is designed to **heat and boost the flow of stored domestic cold water, which is gravity fed from a static cold water cistern. Under no circumstances should this unit be connected directly to the mains cold water supply.**
5. The cold water cistern should have a minimum capacity of 114 litres (25 gallons). There must be a **minimum head of water of 8cm (3") and a maximum head of 10m (33ft)** between the bottom of the cold water cistern and the top of the shower unit. **Under no circumstances should any of the pipework supplying the shower unit rise above the level of the bottom of the cold water cistern.**
6. The installation must be in accordance with the current edition of BS.7671 (*the "IEE Wiring Regulations")* and "Part P" of the *"Building Regulations"* in force at the time of installation. Installations outside England and Wales must also conform to any local regulations in effect. This appliance is intended to be permanently connected to the fixed electrical wiring of the mains supply with its own dedicated supply.
7. This appliance must **NOT** be fitted where it may be subjected to freezing conditions
8. **DO NOT** switch the appliance on if you suspect it of being frozen. Wait until you are sure it has thawed out.
9. **DO NOT** fit any sort of tap or control on the appliance outlet. The appliance is designed to have an open outlet and should only be used with "Redring" recommended fittings.
10. Take care to avoid restricting the outlet of the pressure relief device. If water is discharged from the pressure relief device, maintenance will be required before the appliance can be safely used.
11. Isolate the mains electrical and water supply before removing the front cover of the appliance.

FILTERS

Inlet Assembly Showing Filter Position

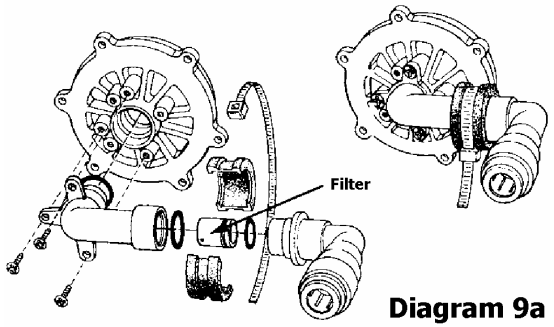


Diagram 9a

Removing the Filter from the Filtered Isolation Valve (Turn water off first)

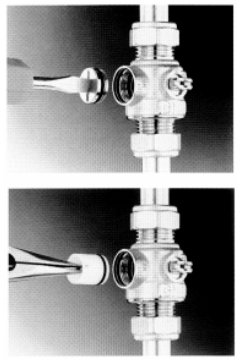


Diagram 9b

ASSEMBLY OF ACCESSORIES

Diagram 10a

White Models Fittings Instructions

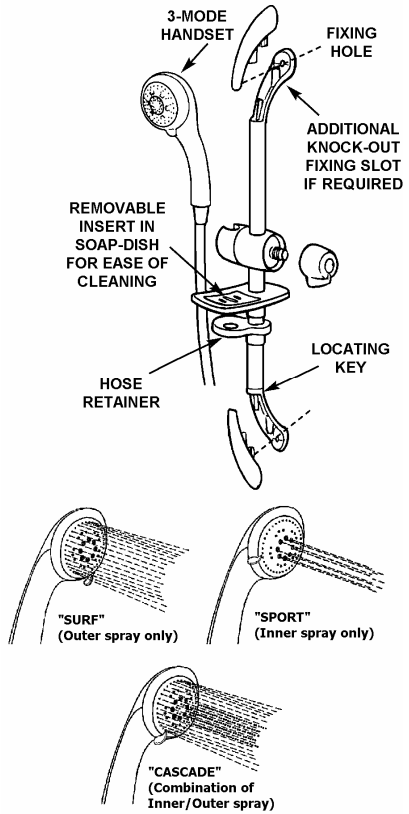
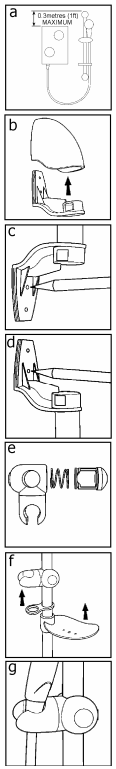


Diagram 10b

Chrome Models Riser Rail and Soap Dish Fitting Instructions

(Refer to the separate fitting instruction sheet packed with the accessories for more details)

1. Establish height of riser rail to suit user requirements. This should be a maximum of 0.3 metres (1ft) above the level of the heater, see (a) below and Diagram 1 on page 3.
2. Remove covers from the wall brackets (b).
3. Position the lower bracket and mark the wall for the screw fixing (c). Then drill and plug the wall and fix the lower bracket *without* the rail location notch.
4. Fit the rail into the lower bracket. Place the remaining bracket *with* the rail location notch on top of the riser rail, making sure that the rail slot is located into the notch. Ensure the hole position is vertically aligned and mark the wall (d). Remove the rail and bracket, then drill and plug the wall.
5. Assemble the height adjuster (e).
6. Compress the height adjuster assembly and slide onto the rail. Fit the hose retaining ring and then the soap dish on the bottom of the rail (f). Lock the soap dish into position by tightening the lock nut.
7. Replace the rail assembly into the lower bracket. Refit the top bracket, ensuring the slot in the rail is located into the bracket notch and fix to the wall. Slide covers onto both brackets.



NOTE: The adjustable slider grips the conical nut on the shower hose (g).

HOW YOUR *EXPRESSIONS 570* SHOWER WORKS

1. Water is heated instantaneously as it flows over the heating elements in the copper cylinder.
2. Your shower incorporates a pump which boosts the incoming water pressure to a level more suitable for showering.
   The motor is controlled by a switch connected to knob "B"
3. The heaters are only switched on when sufficient water is flowing.
   This will happen when the motor is switched on, and is done automatically with a switch which works on water pressure.
4. The water is turned on and off by a tap that is built into the shower.

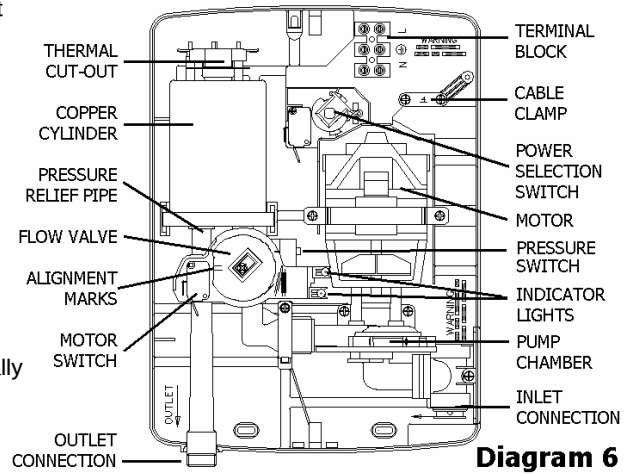


Diagram 6

5. If the water supply falls below a set limit, the pressure switch will operate and switch off the power to the elements.
6. **As a further safeguard**, a thermal cut-out switches the power off if the water temperature climbs above the set limit and the "**overheat**" light will illuminate.
   This cut-out, which gives an audible click, may also operate due to residual heat when the shower is switched off.
   It will reset itself if water is run through the shower for 10 to 20 seconds, and the "**overheat**" light will go out.
7. The pressure relief device is to safeguard against abnormal pressure conditions, and provides a level of appliance protection should an excessive build of pressure occur within the shower.

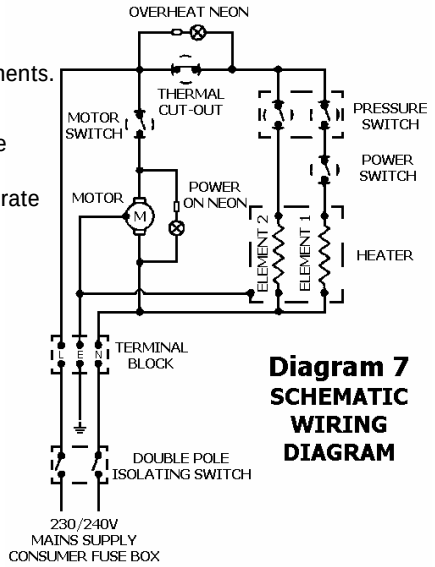


Diagram 7
SCHEMATIC WIRING DIAGRAM

Effect of Seasonal Incoming Water Temperature Changes

The required water temperature is achieved by adjusting the rate of water flow.
Diagram 8 shows the principle involved in relating temperature rise to flow rate.
The higher the water rate the lower the temperature and vice versa.
The temperature of the water supplied from the cold water storage cistern can vary considerably throughout the year from 5 to 30°C.
This means that in the winter, flow rate will be less than in the summer to achieve the same outlet temperature.
In summer the "**low power**" setting may give adequate hot water.
In some **winter** conditions, it may be necessary to select the **inner or outer spray pattern** only of your shower handset. This will ensure correct operation of the shower with a slightly lower flow rate.

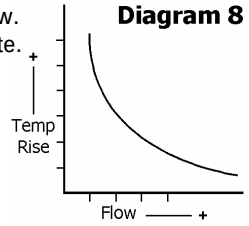


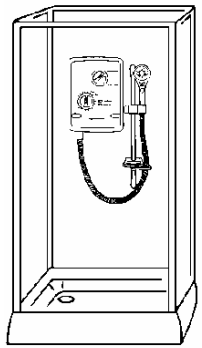
Diagram 8

HOW TO INSTALL YOUR *EXPRESSIONS 570* SHOWER

WARNING: ALL WIRING AND INSTALLATION MUST BE SUPERVISED BY A SUITABLY QUALIFIED PERSON.

WARNING: DO NOT INSTALL THIS SHOWER WHERE IT MAY BE SUBJECTED TO FREEZING CONDITIONS

Diagram 1a



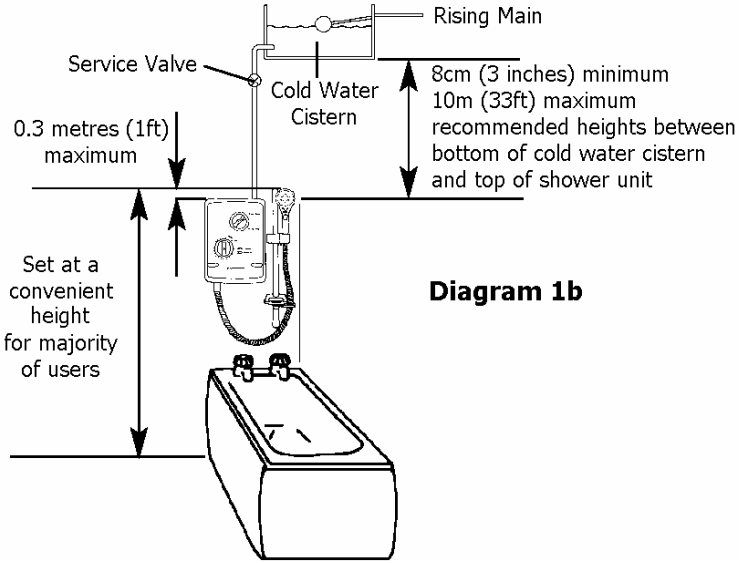

Rising Main
Service Valve
Cold Water Cistern
8cm (3 inches) minimum
10m (33ft) maximum
recommended heights between
bottom of cold water cistern
and top of shower unit
0.3 metres (1ft) maximum
Set at a convenient height for majority of users

Diagram 1b

We recommend that the installation is done in the following sequence.

a. Fixing the shower to the wall b. Plumbing c. Electrical connections d. Commissioning

a. FIXING THE SHOWER TO THE WALL

1. Position the riser rail at a convenient height for majority of users as detailed in Diagram 1a/b and mark its position.
2. Position the heater so that the top of the unit is horizontal and level with, **or a maximum of 0.3 metres (1ft) below the top of the riser rail**. Choose a flat piece of wall to avoid the possibility of distorting the backplate thus making the front cover a poor fit.
3. Adjust the position to get the most convenient arrangement taking the following into account.
   - **The heater must not be mounted in the direct spray from the handset.**
   - The handset must not be able to come into contact with used water in the cubicle, bath or basin. If it can, even after the hose has been retained by the soap dish (see Diagram 10a/b), a vacuum breaker must be fitted (available from us).
4. Fix the riser rail with screws provided. The fixing holes at the base of the brackets will be revealed by removing the plastic fronts. Assemble as shown in Diagram 10a/b.
5. Decide the position of the electrical cable into the unit.
   If top or bottom entry is chosen, cut away the walls in the backplate as shown in Diagram 3.
6. Decide the position of entry of the cold water pipe into the unit.
   If top or bottom entry is chosen, carefully cut away the relevant walls of the backplate as shown in Diagram 3.
   If bottom entry is chosen, refer to note 5 in the plumbing section.

7. If you have not yet done so, remove the front cover assembly by undoing the retaining screws at the top and bottom of the unit and lifting the cover off.

   Your shower is provided with 3 fixing positions in the backplate (see Diagram 3).
   The top-fixing hole is a "key-hole" slot (another key-hole is provided for alternate fixing), and should be marked and drilled first.

   Tighten top screw with head protruding about 10mm from the wall and hook the backplate over the screw head. This allows for correct and accurate alignment of your shower before marking and fixing the bottom position.

   You may not wish to tighten up both screws at this stage as the holes are elongated to allow for adjustment after other connections have taken place.

b. PLUMBING

WARNING: UNDER NO CIRCUMSTANCES SHOULD THIS UNIT BE CONNECTED TO THE MAINS COLD WATER SUPPLY.

The heater must be connected to a cold water supply gravity fed from a static cold water cistern with a minimum capacity of 114 litres (25 gallons).
There must be a minimum head of water of 8cm (3") and a maximum head of 10m (33ft).

This shower is supplied with a filtered isolation valve which MUST BE fitted to the inlet water supply (see note 2 below and Diagram 9b on page 11).

It is strongly advised to install the shower unit using an independent supply from the cold water storage cistern. The shower would be totally unaffected by the other draw off points elsewhere in the system and thus the pressure and temperature will remain more stable.
Therefore, the cold water supply should be taken directly from the cold water cistern.

Under no circumstances should any of the pipework supplying the shower unit rise above the level of the bottom of the cold water cistern.

Before connecting the pipework to the shower ensure that the pipework is flushed out.

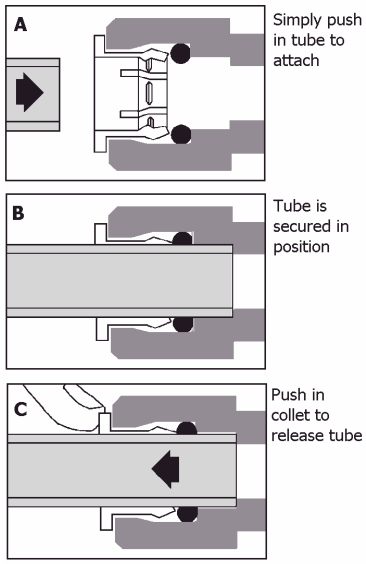
1. Unscrew the "Red Cap" from the shower outlet pipe and discard it in a suitable manner.
   It has been used to seal the shower during transit, and is no longer required.

2. This shower is supplied with a filtered isolation valve which MUST BE fitted between the cold water storage cistern and the shower unit.
   This will allow the unit to be serviced or exchanged without having to turn off the cold water and draining the cold water cistern.

3. Ø15mm copper pipe should be used. **Ensure all burrs have been removed from the pipes before inserting into the push fit inlet ports.**
   Diagram 2 illustrates the correct procedure for inserting and removing the pipes from the inlet ports.
   Take care to line up the inlet pipe correctly with the inlet port to avoid straining the internal "O"-Ring seal.
   DO NOT use solder fittings within 300mm of plastic fittings.

4. To maintain the optimum performance, the pipe runs should be kept as short as possible, using sweeping bends rather than right angles or restrictive fittings.

Diagram 2



WHAT TO DO IF THINGS GO WRONG (2)

PROFESSIONAL SERVICE

If the previous "Self Help" checks fail to restore the performance, you should seek professional help.

The person who installed the shower is probably the best one to investigate and correct it and is certainly the person to contact if you have had a problem in the guarantee period.

The following additional checklist is provided for the benefit of the qualified service person.

WARNING: SWITCH OFF THE ELECTRICITY AT THE LOCAL ISOLATOR BEFORE REMOVING THE COVER TO MAKE CHECKS

Water too HOT	Water flow restricted by a blockage in either the built-in pump filter or the isolating valve filter. Switch off the water supply at the isolation valve and fully isolate the electricity supply, remove the appropriate filter, clean and replace (see Diagrams 9a/b).
Water too COLD	Check circuit through thermal cut-out. Check circuit through microswitches on the pressure switch. Check each element circuit. Check tightness of electrical connections.
Pump fails to operate	If the "power" light is illuminated, possible motor failure, replace if necessary. If the "power" light remains off, check motor switch and replace if necessary.
Pump operates but no water is delivered	Faulty motor switch (short circuit). Replace motor switch. Incorrect alignment of motor switch camdrive. In off position, the alignment marks on the cam drive (see Diagram 6) should be centered about motor switch actuator. Water flow restricted by a blockage in either the built-in pump filter or the isolating valve filter. Switch off the water supply at the isolation valve and fully isolate the electricity supply, remove the appropriate filter, clean and replace (see Diagrams 9a/b).
Water discharges from pressure relief valve	Check for cause of high pressure and remove it. Blockage on outlet e.g. blocked shower handset. Replace the pressure relief disc (not covered by guarantee).

REDRING AFTER SALES SERVICE

We offer a technical advisory service on the telephone to installers and other customers with problems in the field.

RING 0844 372 7766 (UK Only) / RING +353 1 842 8222 (ROI Only)
RING YOUR LOCAL DISTRIBUTOR (Outside the UK)

Some spare parts can be supplied against Credit or Debit cards.

RING 0844 372 7750 (UK Only) / RING +353 1 842 4833 (ROI Only)
RING YOUR LOCAL DISTRIBUTOR (Outside the UK)

Remember to quote the exact type of shower, as written on the front of the shower and on this leaflet. The model and serial number are located on the bottom face of the shower.
Make a note of those numbers here, and be sure to quote them if you call for advice.

Model Number: _ _ _ _ _ _ _ _ _ _ _ _ _ ***Serial Number:*** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Note: You may be charged for a service call if you do not have the serial number.

WHAT TO DO IF THINGS GO WRONG (1)

SELF HELP

If the shower is not working satisfactorily, make the following checks before calling out the installer. Any one of these adjustments could restore the performance.

The shower cycles from HOT to COLD	The shower temperature is set too hot causing the thermal cut-out (safety device) to operate. Turn knob "B" anti-clockwise (direction of the "blue arrows") to increase water flow. Slowly increase the water temperature by turning knob "B" clockwise in the direction of the "red arrows" until a comfortable showering temperature has been reached. You MUST WAIT approximately 20 seconds for each adjustment to affect the water temperature. **"low power"** setting may need to be selected.
Water too HOT	Increase water flow by adjusting knob "B" anti-clockwise (direction of the "blue arrows"). **"low power"** setting may need to be selected. Increase pressure to water supply e.g. fully open service valve or stop cock. Check hose is not kinked restricting the water flow. Clean shower handset.
Water too COLD	Check power is on (indicated by **"power"** light). Decrease water flow by adjusting Knob "B" clockwise (direction of the "red arrows"). **"high power"** setting may need to be selected. Select inner or outer only handset spray pattern.
Pump operates but no water is delivered	Water starvation. Stop pump immediately by turning knob "B" fully clockwise to the **"Stop position"**. Check the cold water cistern is full. Ensure water supply pipe is not blocked or air-locked (see commissioning) with power to shower **switched off**.
Pump fails during shower	Thermal trip inside motor has operated. Wait for motor to cool down (approximately 30 minutes)
Spray pattern poor	Clean the shower handset. Select an outer/inner spray pattern.
Water takes longer to heat up	Thermal cut-out has operated after previous use (**"overheat**" light is on) (automatically resets when unit cools down) **"high power**" setting may need to be selected.
Water goes cold while using shower	Thermal cut-out has operated (**"overheat**" light is on). Wait for cut-out to reset. Check power is on (indicated by **"power"** light).
Broken parts	Please contact our spares department on 0844 372 7750 (UK Only) or +385 1 842 8222 (ROI Only) or contact your local distributor.

ADDITIONAL ACCESSORIES COMMON SPARE PARTS

Please Note:- The fitting of Spare Parts must be supervised by a suitably qualified person.

White 2 metre Shower Hose	Cat No. 83792578	Front Cover (White)	Cat No. 93590321
1 metre Riser Rail	Cat No. 83595313	Front Cover (Chrome)	Cat No. 93590381
Chrome Multi-Mode Accessories	Cat No. 83595318	Pump Assy	Cat No. 93590313
Chrome Curved Accessories	Cat No. 83595320	Camshaft Assy	Cat No. 93590312
Curtain and Rail Pack	Cat No. 83792812	Tank Clip	Cat No. 93590715
		Tank-Base Assy	Cat No. 93590307
		PRV Washer	Cat No. 93795817
		Thermal Cut-Out 50/88°C	Cat No. 93597836

Additional accessories and spare parts can be supplied against any Credit or Debit cards
Ring: 0844 372 7750 (UK Only)
Ring: +353 1 842 4833 (ROI Only)
or outside the UK contact your local distributor

5. If bottom entry has been chosen, the inlet port must be rotated through 180° into the required position.
   To do this, unscrew the side section from the shower unit (see Diagram 3).
   Rotate inlet connection ensuring that a snug fit into the cradle is achieved, replace the side section and tighten screw.

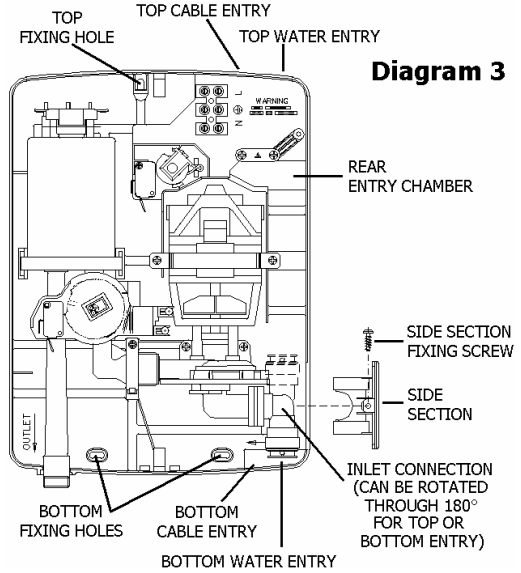


Diagram 3

6. With isolating valve connected, **flush the pipe work through to remove any particles etc**, before making the final connection to the shower.
   Blockage in the water ways (particularly the handset and filters) will prevent the shower unit working properly.
   Note: You may be charged for a service call if it is due to incorrect installation.
7. The shower is designed to have an open outlet and should only be used with "Redring" recommended fittings.
   Do not connect the handset until after the shower front cover and corner section are fitted.

WARNING: DO NOT FIT A TAP ON THE SHOWER OUTLET.

WARNING: TAKE CARE TO AVOID RESTRICTING THE OUTLET OF THE PRESSURE RELIEF DEVICE (SEE DIAGRAM 6)

c) ELECTRICAL

WARNING: THIS SHOWER MUST BE EARTHED.

The electrical installation must be in accordance with the current BS.7671 (IEE Wiring Regulations) and "Part P" of the Building Regulations and/or local regulations

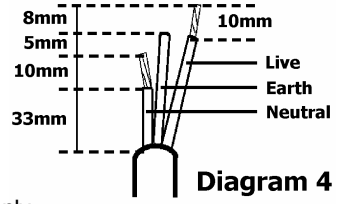


Diagram 4

1. The shower unit is designed for a single phase AC electrical supply.
   Please check the rating plate on the unit to see what details apply to your shower.
   AS A GUIDE ONLY (Only applies if external earth impedance is less than 0.35 Ohms)*

Rating	Cable Sizes	Fuse / MCB	Cable Length
(Cat No. 24-5555xx) 8.5 / 7.8kW 240 / 230V	6.0mm² 10.0mm²	40A Type B MCB	27m Max. 45m Max.
	6.0mm² 10.0mm²	45A BS.1361 fuse	12m Max.* 21m Max.*
(Cat No. 24-5560xx) 9.5 / 8.7kW 240 / 230V	6.0mm² 10.0mm²	40A Type B MCB	27m Max. 45m Max.
	6.0mm² 10.0mm²	45A BS.1361 fuse	12m Max.* 21m Max.*

Remember to upgrade the cable if it runs in thermal insulation in a loft, or for a longer distance.

2. A means for disconnection in all poles must be incorporated in the fixed wiring in accordance with the wiring rules. We recommend a ceiling switch mounted in a convenient position.
3. Cut back cable as in Diagram 4. Connect cable to terminal block making sure that all the retaining screws are **VERY TIGHT** and that no cable insulation is trapped under the screws.

WARNING: FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN FAILURE OF THE TERMINAL BLOCK

4. A dual position cable clamp is provided.
   For top cable entry use retaining bar in horizontal position supplied.
   For bottom cable entry rotate retaining bar to the angled position.

d) FINAL INSTALLATION PROCEDURE AND COMMISSIONING

WARNING: DO NOT SWITCH ON THE ELECTRICITY SUPPLY UNTIL THE FOLLOWING PROCEDURE HAS BEEN COMPLETED. FAILURE TO DO SO COULD CAUSE THE PUMP TO RUN DRY AND INVALIDATE THE GUARANTEE

1. Fit the front cover back into position, ensuring that both the control knobs are correctly aligned with the flow valve and power selector. Secure with top and bottom screws.

2. Fit hose and prime the shower first without the handset to flush out any remaining debris.
   To prime the shower, ensure that the electricity supply is turned off. Turn **control knob "B"** fully anticlockwise. Water should start to flow with motor switched off allowing all the air to be purged out of the shower unit.

   It may be necessary to lower the hose below the level of the shower whilst priming.

   Stop water flow by turning control knob "B" fully clockwise. Attach handset, switch on electrical supply and then operate the shower as on page 7 and check:-
   a. That the water gets to a satisfactory temperature.
   b. Water flow can be adjusted by **control knob "B"**.
   c. Power selection operates in both positions, giving a change in water temperature.
   d. Check again for leaks.
   e. That the holes in the shower handset are not blocked.
   f. That the motor turns off and water stops flowing in the **"Stop"** position.

3. DEMONSTRATE OPERATION TO USERS

IMPORTANT WARNINGS!

THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN AND THE INFIRM) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY.

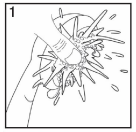
CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.

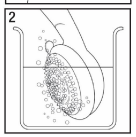
HOW TO MAINTAIN YOUR *EXPRESSIONS 570* SHOWER

It is recommended that the shower unit and hose etc. be cleaned using a soft cloth and that the use of abrasive or solvent based cleaning fluid be avoided, especially on any plated finishes.
We recommend that before any cleaning, the isolating switch be turned off, thus avoiding accidentally switching on the shower.

WARNING: YOU MUST REGULARLY INSPECT THE SHOWER HOSE FOR WEAR AND DAMAGE. REPLACE IF NECESSARY, OR EVERY TWO YEARS, WITH AN APPROVED PART.

WARNING: IN ORDER TO MAINTAIN THE PERFORMANCE OF YOUR SHOWER, YOU MUST CLEAN THE SHOWER HANDSET REGULARLY



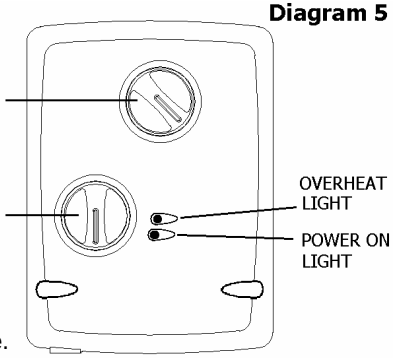


All water contains particles of lime-scale, which build up in the shower handset and unit reducing the performance.
It is therefore important to clean the shower handset by simply rubbing the rubber nozzles, or soaking in proprietary lime-scale remover, rinsing thoroughly before use.

NOTE: After use it is normal for some water to drip from the shower handset for a few moments. This inhibits scale build-up over prolonged use.

HOW TO USE YOUR *EXPRESSIONS 570* SHOWER

Diagram 5



1. Ensure the electricity and water are turned on to the unit.

2. Your shower has 2 control knobs (see Diagram 5).
   Knob "A" controls the 2 power settings.
   The most popular is **"high power"**.
   There is also a **"low power"** option (see note 7).

   Knob "B" starts and stops the unit and controls the temperature of the water.

3. To start the shower **turn knob "B" anti-clockwise**.
   The water will start flowing at around 15° knob rotation (1 o'clock) and the motor will switch on at around 30° (12 o'clock). The **"power"** light will illuminate at this stage.

4. **Allow about 20 seconds** for the temperature of the water to stabilise.
   It is recommended that you test the water temperature with your hand before stepping under the water spray during this period, especially if the shower has just been used.

IF WATER IS TOO COLD

Turn knob "B" clockwise in the direction of the "red arrows" a small amount and continue turning clockwise until you get the water temperature of your liking.

Wait 20 seconds after each adjustment for the water temperature to stabilise.

The final adjustment may be anywhere on the scale.

If after turning fully clockwise water is still too cold, set shower pattern on shower handset to outer or inner pattern only.

IF WATER IS TOO HOT

Turn knob "B" anti-clockwise in the direction of the "blue arrows" a small amount and continue turning anti-clockwise until you get the water temperature of your liking.

The final adjustment may be anywhere on the scale.

If after turning fully anti-clockwise, water is still too hot, adjust knob "A" to "low power" setting and re-adjust as above.

Water flow will be reduced on this setting.

5. When you have **finished** showering, **turn knob "B" fully clockwise** to the **"Stop"** position.
   The motor will switch off and water will stop flowing.
   The **"POWER"** light will go out.

6. Switch off the electricity at the ceiling switch or local isolator.

7. The **"low power"** setting of **knob "A"** reduces the power used by the shower giving a cooler shower or the option of reduced water flow.
   This option is mainly for summer usage, and if this is used then knob "B" must be re-adjusted.

WARNING: DO NOT SWITCH THE SHOWER ON IF YOU SUSPECT IT OF BEING FROZEN. WAIT UNTIL YOU ARE SURE IT HAS THAWED OUT.

**WARNING: DO NOT OPERATE THE SHOWER IF WATER IS DISCHARGED FROM THE PRESSURE RELIEF VALVE.
MAINTENANCE IS REQUIRED BEFORE THE SHOWER CAN BE USED.**

WARNING: CONSIDERATION SHOULD BE GIVEN TO SUPERVISING THE YOUNG, ELDERLY AND THE INFIRM WHILST THEY USE THIS SHOWER.